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NPIC/PSG/AID-202/70
22 June 1970

MEMORANDUM FOR: Director, Office of Computer Services

ATTENTION:

THROUGH: DDI Planning Staff

SUBJECT: Agency COINS Participation

1. This note addresses the direct costs of two possible avenues, both using UNIVAC 494 equipment and NPIC developed and proven software, by which the goal of Headquarters participation in COINS might be reached. These are:

    a. Place all Agency COINS files on a dedicated UNIVAC 494, acquired just for this project.

    b. Assuming permission to operate in a multi-security level mode, place Headquarters COINS files on the NPIC 494, letting that system be the Agency's participant in COINS.

2. Since the software used in either approach would, in large part, be software already developed for, and in use at, NPIC a cost comparison of the two avenues is concerned with the expense of additional hardware and any software modifications required. For the first approach the required configuration and costs are as follows:

EQUIPMENT

UNIVAC 494 Central Processor
65,000 Words of Main Memory
FH-880 Control and Associated Drum
FASTRAND II Control
FASTRAND II Drum
Magnetic Tape Subsystem Controller
Associated Magnetic Tape Unit
Communication Module Controller
Low-Speed Communication Terminal
High-Speed Communication Terminal Modu
UNIVAC DCT-2000
Console

                            TOTAL

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SUBJECT: Agency COINS Participation

(The question associated with the console is this: The console we use is no longer "in production" according to the manufacturer. The current console is logically different and would require some substantial changes in our operating system software. Can UNIVAC deliver an "old style" console? We have assumed in our software estimate that they can.) The initial programming effort for this dedicated system approach would, in our estimate, take four to six man-months. This configuration does not, as listed above, provide for any remote consoles for analyst use. Determining the manner and cost of providing access to the system for Agency analysts is outside the scope of this note.

5. The software costs for the second alternative are slightly less than for the first, since no major surgery on the operating system would be required. Thus, four man-months seems sufficient. Initial hardware expenses would be for as many additional tape units as needed to have the Headquarters files mounted at all times. The cost of each tape unit, including maintenance, would, as indicated above, be approximately [   ] per month. Should the queries against the COINS files become so numerous as to seriously affect the response time for our in-house activities, we would have to add additional core memory. I would assume that such activity rates would be some months in the future.

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Chief, Technical Planning Staff, AID,
PSG/NPIC

Distribution:
  Orig & 1 - Addressee
         1 - DDI Planning Staff
         1 - NPIC/Exec Dir
         1 - NPIC/PSG
         1 - NPIC/PSG/AID
         1 - NPIC/PSG/AID/TPS

OM

PSG/AID/TPS

DATE

22 June 1970

TO	INITIALS	DATE	REMARKS
DIRECTOR			
DEP/DIRECTOR			
EXEC/DIRECTOR	2. _#_	6/23	Info. copy attached.
SPECIAL ASST	1. M	6/23	
ASST TO DIR	3 TAC	6/24	1-2 _per_
HISTORIAN	_Feli_ 4		
CH/PPBS			
DEP CH/PPBS			
EO/PPBS			
CH/IEG			
DEP CH/IEG			
EO/IEG			
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DEP CH/PSG			
EO/PSG			
CH/TSSG			
DEP CH/TSSG			
EO/TSSG			
CH/SSD/TSSG			
PERSONNEL			
LOGISTICS			
TRAINING			
RECORDS MGT			
SECURITY			
FINANCE			
DIR/IAS/DDI			
CH/DIAXX-4			
CH/DIAAP-9			

REMARKS (handwritten):

[ ] is working on a 2nd memo relating to COINS (see attached) which we should receive shortly. This memo to OCS resulting from the [ ] visit to the Center to determine the cost of OCS handling the COINS account

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